



TUOLUMNE – STANISLAUS INTEGRATED REGIONAL WATER MANAGEMENT REGION

PROPOSITION 84 ROUND 2 IMPLEMENTATION GRANT PROPOSAL

ATTACHMENT 4 – BUDGET

**Integrated Regional Water Management Program
Applicant: Tuolumne County Resource Conservation District**

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

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I. INTRODUCTION

This Attachment provides, as a first page, a combination of all Project Budget Tables (Table 7) plus an overall combined Project Budget Table. This combined Table 7 is followed by Table 8, Summary Budget. Detailed budget breakdowns based on tasks in the individual work plans follow. Contingencies vary from project to project and are based on the level of planning or design, specific challenges for construction or implementation of an individual project, and other site- and project-specific factors.

Tuolumne County Resource Conservation District (TCRCD) will be responsible for overall regional grant management and administration (costs for which have been incorporated into each separate project per DWR staff recommendations) Activities incorporated into this task include Regional MOU Preparation, DWR Contract Preparation, Project Set-up, Performance Measures & Project Performance Plan Development, CEQA / NEPA Compliance Document Coordination, Permit Documentation Coordination, Deliverables Coordination, Document and Data Management, Regional Quarterly Reports & Submittal Coordination, Project Invoice Management, Final Report coordination and submittal, and Banking and Payment Dispersal. A breakdown of costs associated with regional grant administration is provided at the end of this Attachment as a supplement.

Attachment 4 – Budget
Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

II. COMBINED TABLE 7		Murphys Sanitary District				USDA Stanislaus National Forest				Tuolumne County Resource Conservation District			
		Wastewater Treatment Facilities Improvement Project				Upper South Fork Stanislaus River Watershed Restoration & Water Quality Enhancement Project				Small Acreage Storm Water Pollution Prevention and Land Stewardship Program			
		(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$ 17,100	\$ 3,990		\$ 21,090	\$ 23,800	\$ 13,273		\$ 37,073	\$ 43,465			\$ 43,465
(b)	Land Purchase/Easement	\$ -	\$ 247,000		\$ 247,000	\$ -	\$ -		\$ -				\$ -
(c)	Planning/Design/Engineering/ Environmental Documentation	\$ 9,139	\$ 72,383		\$ 81,522	\$ 59,700	\$ 32,747		\$ 92,447	\$ 31,330	\$ 6,160		\$ 37,490
(d)	Construction/Implementation	\$ 209,760			\$ 209,760	\$ 190,000	\$ 290,718		\$ 480,718	\$ 166,960			\$ 166,960
(e)	Environmental Compliance/ Mitigation/Enhancement	\$ 12,540			\$ 12,540	\$ -	\$ -		\$ -				\$ -
(f)	Construction Administration	\$ 14,250			\$ 14,250	\$ 24,500	\$ 43,927		\$ 68,427	\$ 5,745			\$ 5,745
(g)	Other Costs	\$ 4,411	\$ 1,859		\$ 6,270	\$ 33,000	\$ 5,837		\$ 38,837	\$ 4,040	\$ 90,610		\$ 94,650
(h)	Construction/Implementation Contingency	\$ 17,800	\$ 5,000		\$ 22,800	\$ 19,000	\$ -		\$ 19,000	\$ 3,460			\$ 3,460
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 285,000	\$ 330,232	\$ -	\$ 615,232	\$ 350,000	\$ 386,502		\$ 736,502	\$ 255,000	\$ 96,770	\$ -	\$ 351,770
		Amador Tuolumne Community Action Agency				Tuolumne Utilities District				Tuolumne River Trust			
		In-Home Water Conservation for the DAC				Phoenix Lake Preservation and Restoration - Phase 2				Watershed Outreach and Stewardship			
		(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$ 13,750			\$ 13,750	\$ 102,000	\$ 52,000	\$ -	\$ 154,000	\$ 11,436	\$ 10,370		\$ 21,806
(b)	Land Purchase/Easement	\$ -			\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000	\$ -			
(c)	Planning/Design/Engineering/ Environmental Documentation	\$ -			\$ -	\$ 1,198,000	\$ 20,250	\$ -	\$ 1,218,250	\$ 4,993			\$ 4,993
(d)	Construction/Implementation	\$ 145,028	\$ -	\$ -	\$ 145,028	\$ -	\$ -	\$ -	\$ -	\$ 33,572	\$ 73,187		\$ 106,758
(e)	Environmental Compliance/ Mitigation/Enhancement	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
(f)	Construction Administration	\$ 5,500			\$ 5,500	\$ -	\$ -	\$ -	\$ -	\$ -			
(g)	Other Costs	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,201		\$ 2,201
(h)	Construction/Implementation Contingency	\$ 35,722			\$ 35,722	\$ -	\$ -	\$ -	\$ -				
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ 1,700,000	\$ 72,250	\$ -	\$ 1,772,250	\$ 50,000	\$ 85,757	\$ -	\$ 135,758
		Calaveras County Water District				Groveland Community Services District				Grand Total			
		Douglas Flat/Vallecito Storage Ponds				Big Oak Flat- Sewer LS #16 Reconstruction				All Projects Combined			
		(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$ 18,000	\$ 7,464		\$ 25,464	\$ 68,500			\$ 68,500	\$ 298,051	\$ 87,097	\$ -	\$ 385,148
(b)	Land Purchase/Easement								\$ -	\$ 400,000	\$ 247,000	\$ -	\$ 647,000
(c)	Planning/Design/Engineering/ Environmental Documentation	\$ 125,000	\$ 2,550		\$ 127,550	\$ 15,000	\$ 11,740		\$ 26,740	\$ 1,443,162	\$ 145,830	\$ -	\$ 1,588,992
(d)	Construction/Implementation					\$ 430,000			\$ 430,000	\$ 1,175,320	\$ 363,905	\$ -	\$ 1,539,224
(e)	Environmental Compliance/ Mitigation/Enhancement					\$ 3,000			\$ 3,000	\$ 15,540	\$ -	\$ -	\$ 15,540
(f)	Construction Administration					\$ 5,000			\$ 5,000	\$ 54,995	\$ 43,927	\$ -	\$ 98,922
(g)	Other Costs	\$ 57,000			\$ 57,000	\$ 25,000			\$ 25,000	\$ 123,451	\$ 100,507	\$ -	\$ 223,958
(h)	Construction/Implementation Contingency					\$ 53,500			\$ 53,500	\$ 129,481	\$ 5,000	\$ -	\$ 134,481
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 200,000	\$ 10,014		\$ 210,014	\$ 600,000	\$ 11,740	\$ -	\$ 611,740	\$ 3,640,000	\$ 993,265	\$ -	\$ 4,633,265

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Table 8 – Summary Budget						
Proposal Title: Tuolumne-Stanislaus IRWM Region Proposition 84 IRWMP Implementation Grant						
Individual Project Title		(a) Requested Grant Amount Grand Total (Sum rows (a) through (h) from Table 7)	(b) Cost Share: Non-State Fund Source* Grand Total (Sum rows (a) through (h) from Table 7) (Funding Match)	(c) Cost Share: Other State Fund Source* Grand Total (Sum rows (a) through (h) from Table 7)	(d) Total Cost Grand Total (Sum rows (a) through (h) from Table 7)	(e) % Funding Match (col. b/col. d)
(a)	MSD Wastewater Treatment Facilities Improvement Project (2)	\$ 285,000	\$ 330,232		\$ 615,232	53.68%
(b)	USFS Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project (9)	\$ 350,000	\$ 386,502		\$ 736,502	52.48%
(c)	TCRCD Small Acreage Land Stewardship Program (16)	\$ 255,000	\$ 96,770		\$ 351,770	27.51%
(d)	ATCAA In-Home Water Conservation for the DAC (17)	\$ 200,000			\$ 200,000	0.00%
(e)	TUD Phoenix Lake Preservation and Restoration - Phase 2 (18)	\$ 1,700,000	\$ 72,250		\$ 1,772,250	4.08%
(f)	TRT Watershed Outreach and Stewardship (22)	\$ 50,000	\$ 85,757		\$ 135,758	63.17%
(g)	CCWD Douglas Flat/Vallecito Storage Ponds (25)	\$ 200,000	\$ 10,014		\$ 210,014	4.77%
(h)	GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project (27)	\$ 600,000	\$ 11,740		\$ 611,740	1.92%
(i)	Proposal Total (Sum rows (a) through (h) for each column)	\$ 3,640,000	\$ 993,265	\$ -	\$ 4,633,265	21.44%
(j)	DAC Funding Match Waiver Total (Sum column (d) only for projects seeking DAC funding match waiver in rows (a) through (h))				\$ 2,492,722	
(k)	Grand Total (Subtract row (j) from row (i) and recalculate column (e) – Funding Match %)	\$ 3,640,000	\$ 993,265		\$ 2,140,544	46.40%

Projects requesting DAC Waiver

Projects in Rows d, e, g, & h are requesting DAC Waiver

Row J Calculation:

$(\text{Row D}) + (\text{Row G}) + (\text{Row H}) + (\text{Row E} \times 83\%)$

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

IV. INDIVIDUAL PROJECT BUDGETS

A. MURPHYS SANITARY DISTRICT

Wastewater Treatment Facilities Improvement Project

Table 7 – Project Budget				
Proposal Title: Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal				
Wastewater Treatment Facility Sprayfield Project				
Project serves a need of a DAC?: Yes				
Funding Match Waiver request?: No				
	(a)	(b)	(c)	(d)
Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$17,100	\$3,990		\$21,090
(b) Land Purchase/Easement	\$0	\$247,000		\$247,000
(c) Planning/Design/Engineering/ Environmental Documentation	\$9,139	\$72,383		\$81,522
(d) Construction/Implementation	\$209,760			\$209,760
(e) Environmental Compliance/ Mitigation/Enhancement	\$12,540			\$12,540
(f) Construction Administration	\$14,250			\$14,250
(g) Other Costs	\$4,411	\$1,859		\$6,270
(h) Construction/Implementation Contingency	\$17,800	\$5,000		\$22,800
(i) Grand Total (Sum rows (a) through (h) for each column)	\$285,000	\$330,232	\$0	\$615,232
*List sources of funding:				

(a) District Operating Budget

(b) Land was purchased in 2009, secured with a deed of trust and a promissory note, beginning 6-20-09 and continuing to 6-20-24 monthly payments of \$2003.97

(c) Paid \$60,432 out of operating budget 2011/2012; \$17,100 included in 2013/14 Fiscal Year Budget

(g) & (h) District Operating Budget

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs

Wastewater Treatment Facility Sprayfield Project

Task	Cost	Matching Funds	Total Cost
Task 1: Grant Administration - Additional \$1,140 included in 2013/14 operating budget	\$ 17,100	\$ 1,140	\$ 18,240
Task 2: Labor Compliance Program - Additional \$570 included in 2013/14 operating budget		\$ 570	\$ 570
Task 3: Reporting - Additional \$2,280 included in 2013/14 operating budget		\$ 2,280	\$ 2,280
Total	\$ 17,100	\$ 3,990	\$ 21,090

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Grant Administration					
Labor - Project Director	6.3	\$ 70.00	\$ 439	\$ -	\$ 439
Labor - Project Manager	172.5	\$ 65.00	\$ 11,212	\$ -	\$ 11,212
Labor - Administrative Assistant	39.2	\$ 45.00	\$ 1,764	\$ -	\$ 1,764
Labor - Contract Accountant	22.0	\$ 100.00	\$ 2,195	\$ -	\$ 2,195
Regional Grant Admin Expenses				\$ 1,490	\$ 1,490
Total			\$ 15,610	\$ 1,490	\$ 17,100

Costs based on prior grant administration experience. Task 1 grant costs are based on 6% of grant request. Budgeted Task 1 costs assumed to be 2% of anticipated engineering & administration costs. Budgeted Task 2 costs assumed to be 1% of anticipated engineering & administration costs. Budgeted Task 3 costs assumed to be 4% of anticipated engineering & administration costs. Budgeted costs are anticipated charges from District's consultant engineer to provide administrative support for the project. The District is budgeting these funds for the project separate from the grant request. Overall engineering & administrative costs for implementation of the Project are estimated to be \$57,000.

See Supplemental Information section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement

Wastewater Treatment Facility Sprayfield Project

Task	ROW Agent/ Surveyor/ Appraiser	Land Purchase/ Easement	Total
Task #4 Purchase 20 Acre parcel - Completed Paid		\$ 247,000	\$ 247,000
Total			\$ 247,000

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
N/A					

Land appraisal was utilized to determine land value.

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Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(c) Planning/Design/Engineering/ Environmental Documentation					
Wastewater Treatment Facility Sprayfield Project					
Task	Cost	Matching Funds	Total Cost		
Task #5 Assessment & Evaluation - Completed - Paid \$50,000		\$ 50,000	\$ 50,000		
Task #6 Conceptual Design - Completed - Paid \$6,032		\$ 6,032	\$ 6,032		
Task #7 Environmental Documentation - Partial Completed Paid \$4,400; Additional \$675 included in 2013/14 operating budget	\$ 1,605	\$ 5,075	\$ 6,680		
Task #8 Final Design - Additional \$11,276 included in 2013/14 operating budget	\$ 7,534	\$ 11,276	\$ 18,810		
Total	\$ 9,139	\$ 72,383	\$ 81,522		
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 7: CEQA Consultant	10.0	\$ 160	\$ 1,605	\$ -	\$ 1,605
Task 8: Engineer	52.3	\$ 144	\$ 7,534	\$ -	\$ 7,534
Total	62.4	~	\$ 9,139	\$ -	\$ 9,139
Costs based on prior project delivery experience. Task 7 costs are estimated charges to amend CEQA documentation to meet Grant requirements and are assumed to be 4% of anticipated engineering & administration costs. Task 8 costs assumed to be 33% of anticipated engineering & administration costs. Additional monies totaling \$11,951 will be added to the FY 2013/2014 operating budget to supplement anticipated Task 7 and 8 costs.					

(d) Construction/Implementation					
Wastewater Treatment Facility Sprayfield Project					
Task	Cost				
Task #9 Construction Contracting	\$ 5,700				
Task #10 Construction					
Sub Task 10.1 Mobilization and Site Preparation	\$ 30,609				
Sub Task 10.2 Project Construction	\$ 163,248				
Sub Task 10.3 Performance Testing and Demobilization	\$ 10,203				
Total	\$ 209,760				
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 9: Engineer	39.6	\$ 144	\$ 5,700	\$ -	\$ 5,700
Task 10: Contractor			\$ 204,060	\$ -	\$ 204,060
Total	39.6	~	\$ 209,760	\$ -	\$ 209,760
Costs based on prior project delivery experience and engineer's estimate of construction costs. Task 9 costs are estimated charges to bid the project and are assumed to be 10% of anticipated engineering & administration costs. Task 10 costs assumed to be 85% of estimated construction costs. Subtask 10.1 costs are assumed to be 15% of Task 10 costs. Subtask 10.2 costs are assumed to be 80% of Task 10 costs and include irrigation installation (\$100,000), construction of containment system (\$22,000), pump station installation(\$30,000), and monitoring well installation (\$6,688). Subtask 10.3 costs are assumed to be 5% of Task 10 costs.					

The table below is a copy of the Preliminary Engineers Cost Estimate based on 2013 data which considered Engineering Design, Environmental and Construction costs for the entire project (~\$285,000).

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Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

MURPHYS SANITARY DISTRICT
SPRAYFIELD INSTALLATION
PRELIMINARY ENGINEER'S ESTIMATE
3/22/2013

ITEM	DESCRIPTION	UNITS	QUANTITY	\$/UNIT	TOTAL COST
1	SPRAYFIELDS	ACRE	11.4	\$13,000.00	\$148,200.00
2	PUMP STATION/FORCE MAIN	LS	1	\$80,000.00	\$80,000.00
3	STORM DRAIN MODIFICATION	LS	1	\$20,000.00	\$20,000.00
SUBTOTAL:					\$228,200.00
ENGINEERING AND ADMINISTRATION:					\$57,050.00
TOTAL:					\$285,250.00



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Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(e) Environmental Compliance/ Mitigation/Enhancement					
Wastewater Treatment Facility Sprayfield Project					
Task	Cost				
Task #11 Environmental Compliance/Mitigation					
Sub Task 11.1 Preconstruction Surveys	\$ 4,275				
Sub Task 11.2 General Mitigation Measures	\$ 8,265				
Sub Task 11.3 Oak Tree Mitigation - cost TBD					
Task #12 Implementation of Monitoring Programs - cost TBD					
Total	\$ 12,540				

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Sub Task 11.1: Biologist	21.4	\$ 200	\$ 4,275	\$ -	\$ 4,275
Sub Task 11.2: Engineer	9.9	\$ 144	\$ 1,425	\$ -	\$ 1,425
Sub Task 11.2: Contractor			\$ 6,840	\$ -	\$ 6,840
Total	31.3	~	\$ 12,540	\$ -	\$ 12,540

Costs based on prior project delivery experience and engineer's estimate of construction costs. Sub Task 11.1 costs are estimated charges to complete preconstruction surveys and are assumed to be 7.5% of anticipated engineering & administration costs. Sub Task 11.2 engineering costs are assumed to be 2.5% of anticipated engineering & administration costs for inclusion of measures in project plans and specifications. Sub Task 11.2 contractor costs are assumed to be 3% of estimated construction costs for contractor compliance with required measures.

* TBD means "To be determined" as these costs are expected to occur after project completion. The District understands these costs are not part of the Grant funding.

(f) Construction Administration

Wastewater Treatment Facility Sprayfield Project

Task	Cost
Task #13 Construction Administration	\$ 14,250
Total	\$ 14,250

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 13: Engineer	99.0	\$ 144	\$ 14,250	\$ -	\$ 14,250
	99.0	~	\$ 14,250	\$ -	\$ 14,250

Costs based on prior project delivery experience. Task 13 costs are assumed to be 25% of anticipated engineering & administration costs.

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Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(g) Other Costs					
Wastewater Treatment Facility Sprayfield Project					
Task	Cost	Matching Funds	Total Cost		
Task #14 Permitting - Additional \$1,859 included in 2013/14 operating budget	\$ 4,411	\$ 1,859	\$ 6,270		
Total	\$ 4,411	\$ 1,859	\$ 6,270		
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 14: Engineer and Permitting Consultant	27.6	\$160	\$4,411	0	\$4,411
Task 14 costs assumed to be 11% of anticipated engineering & administration costs. Additional monies totaling \$1,859 will be added to the FY 2013/2014 operating budget to supplement anticipated Task 14 costs.					

(h) Construction Implementation Contingency					
Wastewater Treatment Facility Sprayfield Project					
Task	Cost	Matching Funds	Total Cost		
10% Contingency - Additional \$5,000 added to 2013/14 operating budget	\$ 17,800	\$ 5,000	\$ 22,800		
Total	\$ 17,800	\$ 5,000	\$ 22,800		
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Anticipated costs based on industry standard for typical project of this type. The total anticipated contingency reflects 10% of total estimated construction costs \$228,000. An additional \$5,000 will be added to the District's 2013/2014 operating budget to supplement additional contingency costs.					

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal****B. USDA FOREST SERVICE, STANISLAUS NATIONAL FOREST****Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project****Table 7 – Project Budget****Proposal Title: Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal****Project Title: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project**

Project serves a need of a DAC?: Yes, Improves water quality in upper watershed of municipal water supply for DACs.

Funding Match Waiver request?: No

	(a)	(b)	(c)	(d)
Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$23,800	\$13,273		\$37,073
(b) Land Purchase/Easement	\$0	\$0		\$0
(c) Planning/Design/Engineering/ Environmental Documentation	\$59,700	\$32,747		\$92,447
(d) Construction/Implementation	\$190,000	\$290,718		\$480,718
(e) Environmental Compliance/ Mitigation/Enhancement	\$0	\$0		\$0
(f) Construction Administration	\$24,500	\$43,927		\$68,427
(g) Other Costs	\$33,000	\$5,837		\$38,837
(h) Construction/Implementation Contingency	\$19,000	\$0		\$19,000
(i) Grand Total (Sum rows (a) through (h) for each column)	\$350,000	\$386,502		\$736,502

***List sources of funding:** Army Corps of Engineers \$30,000, U.S. Forest Service appropriated funds \$356,502 includes special one-time funding sources like Legacy Roads and Trails

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs

Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project

Task	Cost	Match	Total
Task 1: Administration	\$ 23,800	\$ 8,273	\$ 32,073
Task 2: Labor Compliance Program			\$ -
Task 3: Reporting		\$ 5,000	\$ 5,000
Task 4: Assessment and Evaluation			\$ -
Total	\$ 23,800	\$ 13,273	\$ 37,073

Costs for Administration and Reporting includes \$14,406 (approximately 4.1% of total requested) for local project administration based on prior administrative costs and average wage for hydrologist and administrator, \$21,000 for regional grant administration (tasks detailed in TCRCDD workplan), and \$1667 actual expenses already incurred for Leland Gully. Any additional administrative costs will be borne by the Stanislaus National Forest (STF). Costs for Labor Compliance Program and Assessment and Evaluation are shown as zero, because those tasks will be performed by STF staff as part of routine work.

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

Back-up Calculations

Task	# of Hours	\$/hr for administrator	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Regional Grant Administration - Project Director	8	\$ 70	\$ 539		\$ 539
Task 1: Regional Grant Administration - Project Manager	212	\$ 65	\$ 13,769	\$ 1,830	\$ 15,599
Task 1: Regional Grant Administration - Administrative Assistant	48	\$ 45	\$ 2,166		\$ 2,166
Task 1: Regional Grant Administration - Contract Accountant	27	\$ 100	\$ 2,696		\$ 2,696
Task 1: Leland Gully Administration (Match)	34.7	\$ 48	\$ 1,667		\$ 1,667
Task 1: Local Project Administration (Match)	137.6	\$ 48	\$ 6,606		\$ 6,606
Task 1: Local Project Administration (Requested)	58.3	\$ 48	\$ 2,800		\$ 2,800
Task 3: Reporting (Match)	104.2	\$ 48	\$ 5,000		\$ 5,000

(b) Land Purchase/Easement

Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project

No Land Purchase or easements are required for this project. The project will occur entirely on existing National Forest Lands

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(c) Planning/Design/Engineering/ Environmental Documentation					
Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project					
Task	Cost	Match	Total		
5.1 Planning Leland Gully	\$ -		\$ -		
5.2 Planning Culvert Maintenance		\$ 6,600	\$ 6,600		
5.3 Planning Coyote Meadow		\$ 6,500	\$ 6,500		
5.4 Planning Bloomer Lake, Bluff, and Groundhog Meadows	\$ 3,700		\$ 3,700		
5.5 Planning Upper and Middle Three Meadows	\$ 6,500		\$ 6,500		
6.1 Environmental Documentation Leland Gully	\$ -		\$ -		
6.2 Environmental Documentation Culvert Maintenance	\$ -		\$ -		
6.3 Environmental Documentation Coyote Meadow		\$ 13,000	\$ 13,000		
6.4 Environmental Documentation Bloomer Lake, Bluff, and Groundhog Meadows	\$ 13,000		\$ 13,000		
6.5 Environmental Documentation Upper and Middle Three Meadows	\$ 19,500		\$ 19,500		
7.1 Design Leland Gully		\$ 5,147	\$ 5,147		
7.2 Design Culvert Maintenance		\$ 1,500	\$ 1,500		
7.3 Design Coyote Meadow	\$ 3,500		\$ 3,500		
7.4 Design Bloomer Lake, Bluff, and Groundhog Meadows	\$ 6,000		\$ 6,000		
7.5 Design Upper and Middle Three Meadows	\$ 7,500		\$ 7,500		
Total	\$ 59,700	\$ 32,747	\$ 92,447		
Costs based on: Costs for 5.1 and 6.1 are shown as zero because they were incurred before the allowable match date. Cost for 5.2 is actual cost based on hydrology technician at \$25/hr. Cost for 6.2 is shown as zero because environmental documentation for this project was included in a broader analysis. Other costs are based on actual incurred costs or are estimates based on prior experience with planning, environmental documentation and design. Labor costs reflect average wages for hydrologist, aquatic biologist, soil scientist, botanist, archaeologist, wildlife biologist, engineer, and other specialists.					
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
5.1 Planning Leland Gully					\$ -
5.2 Planning Culvert Maintenance (Match)	225	\$ 25.00	\$ 5,625	\$ 975	\$ 6,600
5.3 Planning Coyote Meadow (Match)	155	\$ 37.00	\$ 5,735	\$ 765	\$ 6,500
5.4 Planning Bloomer Lake, Bluff, and Groundhog Meadows	86	\$ 37.00	\$ 3,182	\$ 518	\$ 3,700
5.5 Planning Upper and Middle Three Meadows	155	\$ 37.00	\$ 5,735	\$ 765	\$ 6,500
6.1 Environmental Documentation Leland Gully					\$ -
6.2 Environmental Documentation Culvert Maintenance					\$ -
6.3 Environmental Documentation Coyote Meadow (Match)	340	\$ 37.00	\$ 12,580	\$ 420	\$ 13,000
6.4 Environmental Documentation Bloomer Lake, Bluff, and Groundhog Meadows	340	\$ 37.00	\$ 12,580	\$ 420	\$ 13,000
6.5 Environmental Documentation Upper and Middle Three Meadows	510	\$ 37.00	\$ 18,870	\$ 630	\$ 19,500
7.1 Design Leland Gully (Match)	150	\$ 34.31	\$ 5,147	\$ -	\$ 5,147
7.2 Design Culvert Maintenance (Match)	37.5	\$ 36.00	\$ 1,350	\$ 150	\$ 1,500
7.3 Design Coyote Meadow	82	\$ 38.00	\$ 3,116	\$ 384	\$ 3,500
7.4 Design Bloomer Lake, Bluff, and Groundhog Meadows	140	\$ 38.00	\$ 5,320	\$ 680	\$ 6,000
7.5 Design Upper and Middle Three Meadows	175	\$ 38.00	\$ 6,650	\$ 850	\$ 7,500

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(d) Construction/Implementation					
Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project					
Task	Cost	Match	Total		
8.1 Construction Contracting Leland Gully		\$ 2,720	\$ 2,720		
8.2 Construction Contracting Culvert Maintenance		\$ 1,000	\$ 1,000		
8.3 Construction Contracting Bloomer Lake, Bluff, and Groundhog Meadows	\$ 3,000		\$ 3,000		
8.4 Construction Contracting Upper and Middle Three Meadows	\$ 3,000		\$ 3,000		
9.1 Construction Leland Gully		\$ 271,998	\$ 271,998		
9.2 Construction Culvert Maintenance		\$ 15,000	\$ 15,000		
9.3 Construction Coyote Meadow	\$ 48,000		\$ 48,000		
9.4 Construction Bloomer Lake, Bluff, and Groundhog Meadows	\$ 39,000		\$ 39,000		
9.5 Construction Upper and Middle Three Meadows	\$ 97,000		\$ 97,000		
Total	\$ 190,000	\$ 290,718	\$ 480,718		
Costs based on:					
Leland Gully construction costs are based on actual contract expenditures. Contracting costs are based on average salaries for contracting officer, engineer, and hydrologist. Culvert maintenance costs are based on \$400/culvert x 40 culverts. Remaining construction costs are estimated contract costs based on prior experience with contracted meadow restorations and are not itemized.					
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
8.1 Construction Contracting Leland Gully (Match)	70	\$ 34.00	\$ 2,380	\$ 340	\$ 2,720
8.2 Construction Contracting Culvert Maintenance (Match)	20	\$ 38.00	\$ 760	\$ 240	\$ 1,000
8.3 Construction Contracting Bloomer Lake, Bluff, and Groundhog Meadows	70	\$ 38.00	\$ 2,660	\$ 340	\$ 3,000
8.4 Construction Contracting Upper and Middle Three Meadows	70	\$ 38.00	\$ 2,660	\$ 340	\$ 3,000
9.1 Construction Leland Gully (Match)				\$ 271,998	\$ 271,998
9.2 Construction Culvert Maintenance (Match)				\$ 15,000	\$ 15,000
9.3 Construction Coyote Meadow				\$ 48,000	\$ 48,000
9.4 Construction Bloomer Lake, Bluff, and Grounhog Meadows				\$ 39,000	\$ 39,000
9.5 Construction Upper and Middle Three Meadows				\$ 97,000	\$ 97,000
(e) Environmental Compliance/ Mitigation/Enhancement					
Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project					
Costs based on: No additional costs related to environmental compliance are expected. Environmental enhancement is a primary goal of the project and additional mitigation will not likely be required. Construction will follow Forest Best Management Practices (BMP's) and additional management requirements identified during the environmental analysis process.					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(f) Construction Administration

Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project

Task	Cost
10.1 Construction Administration Leland Gully	\$ 42,427
10.2 Construction Administration Culvert Maintenance	\$ 1,500
10.3 Construction Administration Coyote Meadow	\$ 4,000
10.4 Construction Administration Bloomer Lake, Bluff, and Groundhog Meadows	\$ 8,000
10.5 Construction Administration Upper and Middle Three Meadows	\$ 12,500
Total	\$ 68,427

Costs based on: Leland costs are based on actual expenses. Remaining items are based on prior experience with construction administration. Costs estimates are based on average salaries for contract officer, hydrologist, aquatic biologist, and engineer salaries.

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
10.1 Construction Administration Leland Gully (Match)	1248	34.00	\$ 42,427	\$ -	\$ 42,427
10.2 Construction Administration Culvert Maintenance (Match)	35	36.00	\$ 1,260	\$ 240	\$ 1,500
10.3 Construction Administration Coyote Meadow	90	38.00	\$ 3,420	\$ 580	\$ 4,000
10.4 Construction Administration Bloomer Lake, Bluff, and Groundhog Meadows	180	38.00	\$ 6,840	\$ 1,160	\$ 8,000
10.5 Construction Administration Upper and Middle Three Meadows	290	38.00	\$ 11,020	\$ 1,480	\$ 12,500

(g) Other Costs

Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project

Task	Cost	Match	Total
11.1 Permitting Leland Gully		\$ 5,837	\$ 5,837
11.2 Permitting Coyote Meadow	\$ 7,500		\$ 7,500
11.3 Permitting Bloomer Lake, Bluff, and Groundhog Meadows	\$ 13,500		\$ 13,500
11.4 Permitting Upper and Middle Three Meadows	\$ 12,000		\$ 12,000
Total	\$ 33,000	\$ 5,837	\$ 38,837

Costs based on: Estimates based on prior experience obtaining permits for meadow restorations. Costs are based on average salary for hydrologist, botanist and soil scientist, and actual permit costs. 11.1 is shown as zero because this task was performed by Stanislaus National Forest staff.

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
11.1 Permitting Leland Gully (Match)	130	34.31	\$ 4,460	\$ 1,377	\$ 5,837
11.2 Permitting Coyote Meadow	160	38	\$ 6,080	\$ 1,420	\$ 7,500
11.3 Permitting Bloomer Lake, Bluff, and Groundhog Meadows	300	38	\$ 11,400	\$ 2,100	\$ 13,500
11.4 Permitting Upper and Middle Three Meadows	240	38	\$ 9,120	\$ 2,880	\$ 12,000

(h) Construction Implementation Contingency

Project Name: Upper South Fork Stanislaus River Watershed Restoration and Water Quality Enhancement Project

Task	Cost
Construction contingency	\$ 19,000
Total	\$ 19,000

Costs based on: 10% of requested construction costs.

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

C. TUOLUMNE COUNTY RESOURCE CONSERVATION DISTRICT

Small Parcel Storm Water Pollution Prevention and Landowner Stewardship Program

Table 7 – Project Budget

Proposal Title: Tuolumne- Stanislaus IRWM Region Proposition 84 IRWMP Implementation Grant

Project Title: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program

Project serves a need of a DAC?: "Yes" or "No" **YES , Approximately 22%**

Funding Match Waiver request?: "Yes" or "No" **NO**

	(a)	(b)	(c)	(d)
Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$ 43,465			\$ 43,465
(b) Land Purchase/Easement				\$ -
(c) Planning/Design/Engineering/ Environmental Documentation	\$ 31,330	\$ 6,160		\$ 37,490
(d) Construction/Implementation	\$ 166,960			\$ 166,960
(e) Environmental Compliance/ Mitigation/Enhancement				\$ -
(f) Construction Administration	\$ 5,745			\$ 5,745
(g) Other Costs	\$ 4,040	\$ 90,610		\$ 94,650
(h) Construction/Implementation Contingency	\$ 3,460			\$ 3,460
(i) Grand Total (Sum rows (a) through (h) for each column)	\$ 255,000	\$ 96,770	\$ -	\$ 351,770

*List sources of funding: *Use as much space as required*

Sources of Non-State Fund Source (Funding Match)

(c) Planning/Design/Engineering/ Environmental Documentation				
Labor *** Tuolumne Co RCD Board Members Volunteer Services 88 hrs @\$70/hr (2009-2012)				
Collection of Library Materials				
CEQA Documentation				
(g) Other Costs				
Ongoing TCRCD Board Members Volunteer In-Kind Services @\$70/hr - 24 hrs/qtr - 17 Qtrs				
TCRCD Stream Team in-kind Volunteer Service (2008-2012)				
Ongoing TCRCD Stream Team in-kind Volunteer Service (2013-2017)				
TCRCD District Mgr - in-kind service - Proposal Preparation (11/2012 - 3/2013)				
TCRCD Board Member - in-kind service - Proposal Preparation (11/2012 - 3/2013)				

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs						
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program						
Task	Cost					
Task 1: Administration	\$ 23,765					
Task 2: Labor Compliance Program	\$ 6,300					
Task 3: Reporting	\$ 13,400					
Total	\$ 43,465					
Back-up Calculations						
(a) Direct Project Administration Costs						
Task	\$/hr	No of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies	
Task 1: Administration		350	\$ 21,965	\$ 1,800	\$ 23,765	
1.1 Project Tracking						
Labor - Project Manager	\$ 65.00	40	\$ 2,600		\$ 2,600	
Labor - Project Assistant	\$ 45.00	32	\$ 1,440		\$ 1,440	
1.2 Invoicing						
Labor - Project Manager	\$ 65.00	16	\$ 1,040		\$ 1,040	
Labor - Conservation Project Planner	\$ 65.00	20	\$ 1,300		\$ 1,300	
Labor - Project Assistant	\$ 45.00	8	\$ 360		\$ 360	
1.3 Quality Control & Project Oversight						
Labor - Project Manager	\$ 65.00	24	\$ 1,560		\$ 1,560	
1.4 Regional Grant Administration (rounded)						
Labor - Project Director	\$ 70.00	6	\$ 420		\$ 420	
Labor - Project Manager	\$ 65.00	151	\$ 9,815		\$ 9,815	
Labor - Administrative Assistant	\$ 45.00	34	\$ 1,530		\$ 1,530	
Labor - Contract Accountant	\$ 100.00	19	\$ 1,900		\$ 1,900	
Regional share of Expenses				\$ 1,300	\$ 1,300	
Materials, Supplies, Printing, Copies				\$ 500	\$ 500	
Task 2: Labor Compliance Program		20	\$ 1,300	\$ 5,000	\$ 6,300	
2.1 Documentation as Required by DWR						
Labor - Project Manager	\$ 65.00	16	\$ 1,040		\$ 1,040	
Labor - Conservation Project Planner	\$ 65.00	4	\$ 260		\$ 260	
Labor - 3rd Party Compliance				\$ 5,000	\$ 5,000	
Task 3: Reporting		228	\$ 12,900	\$ 500	\$ 13,400	
3.1 Quarterly Reports						
Labor - Project Director	\$ 75.00	16	\$ 1,200		\$ 1,200	
Labor - Project Manager/ Conservation Project Planner	\$ 65.00	80	\$ 5,200		\$ 5,200	
Labor - Project Assistant	\$ 45.00	80	\$ 3,600		\$ 3,600	
3.2 Final Report						
Labor - Project Director	\$ 65.00	4	\$ 260		\$ 260	
Labor - Project Manager/ Conservation Project Planner	\$ 65.00	24	\$ 1,560		\$ 1,560	
Labor - Project Assistant	\$ 45.00	24	\$ 1,080		\$ 1,080	
Materials, Supplies, Printing				\$ 500	\$ 500	

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(b) Land Purchase/Easement					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
Task	ROW Agent/ Surveyor/ Appraiser	Land Purchase/ Easement	Total		
Task 4: Land Purchase - Ownership Verification - No Cost			\$ -		
Total			\$ -		
(c) Planning/Design/Engineering/ Environmental Documentation					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
Task	Cost	Match Funding	Total		
Task 5: Assessment and Evaluation	\$ 5,710		\$ 5,710		
Task 6: Assemble and Develop Library References	\$ 13,770	\$ 5,600	\$ 19,370		
Task 7: CEQA Documentation (Complete)	\$ 560	\$ 560	\$ 1,120		
Task 8: Develop EO Program	\$ 8,160		\$ 8,160		
Task 9: Demonstration Cost-share Program Development	\$ 3,130		\$ 3,130		
Total	\$ 31,330	\$ 6,160	\$ 37,490		
Back-up Calculations - TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
(c) Planning/Design/Engineering/ Environmental Documentation Task	\$/hr	No of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 5: Assessment and Evaluation		90	\$ 5,210	\$ 500	\$ 5,710
Labor - Conservation Project Planner	\$ 65.00	50	\$ 3,250		\$ 3,250
Labor - Project Assistant	\$ 45.00	32	\$ 1,440		\$ 1,440
Labor - IT Specialist @\$65	\$ 65.00	8	\$ 520		\$ 520
Materials, Supplies, Printing, Copies				\$ 500	\$ 500
Task 6: Assemble and Develop Library References		230	\$ 13,270.00	\$ 500.00	\$ 13,770.00
6.1 Assemble & Print Materials					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	40	\$ 1,800.00		\$ 1,800.00
Labor *** Tuolumne Co RCD Board Members Volunteer Services @\$70/hr (2009-2011)	\$ 70.00	80	\$ 5,600.00		\$ 5,600.00
6.2 Catalog & Index			\$ -		\$ -
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	24	\$ 1,080.00		\$ 1,080.00
6.3 Develop On-line library					
Labor - Conservation Project Planner	\$ 65.00	10	\$ 650.00		\$ 650.00
Labor - Project Assistant	\$ 45.00	40	\$ 1,800.00		\$ 1,800.00
Labor - IT Specialist @\$65	\$ 65.00	20	\$ 1,300.00		\$ 1,300.00
Materials, Supplies, Printing				\$ 500.00	\$ 500.00
Task 7: CEQA Documentation (Complete)		8	560	-	\$ 560.00
Labor *** Tuolumne Co RCD Board Members Volunteer Services @\$70/hr (2011)	\$ 70.00	8	\$ 560.00		\$ 560.00

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Back-up Calculations - TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
(c) Planning/Design/Engineering/ Environmental Documentation Task	\$/hr	No of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 8: Develop EO Program		120	\$ 7,160.00	\$ 1,000.00	\$ 8,160.00
8.1 Modify Materials for Local Relevance					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
8.2 Develop Workshop Curriculum & Materials					
Labor - Conservation Project Planner	\$ 65.00	24	\$ 1,560.00		\$ 1,560.00
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
8.3 Develop PSA & News Releases					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
8.4 Develop Presentation and PosterBoard Materials					
Labor - Conservation Project Planner	\$ 65.00	16	\$ 1,040.00		\$ 1,040.00
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
8.5 Develop Landowner Self Assessment Worksheets					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	2	\$ 90.00		\$ 90.00
8.6 Web Site & Library Update					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	4	\$ 180.00		\$ 180.00
Labor - IT Specialist	\$ 65.00	8	\$ 520.00		\$ 520.00
8.7 Implement EO Program					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	2	\$ 90.00		\$ 90.00
Materials, Supplies, Printing				\$ 1,000.00	\$ 1,000.00
Task 9: Demonstration Cost-share Program Development		50	\$ 3,130.00	\$ 500.00	\$ 3,130.00
9.1 Formation of Advisory Committee					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant	\$ 45.00	2	\$ 90.00		\$ 90.00
9.2 Development of Selection Criteria					
Labor - Conservation Project Planner	\$ 65.00	16	\$ 1,040.00		\$ 1,040.00
9.3 Initial Advisory Committee Meetings/Training					
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Conservation Technical Specialist	\$ 75.00	8	\$ 600.00		\$ 600.00
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
Materials, Supplies, Printing				\$ 500.00	\$ 500.00

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(d) Construction/Implementation						
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program						
Task	Cost					
Task 10 Workshops	\$ 22,340					
Task 11 Technical Assistance (Assessments)	\$ 29,300					
Task 12 Demonstration/Pilot Projects	\$ 115,320					
Total	\$ 166,960					
Back-up Calculations - TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program						
(d) Construction/Implementation Task	\$/hr	No of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/Supplies	
Task 10 Workshops		284	\$ 19,340.00	\$ 3,000.00	\$ 22,340.00	
10.1 Schedule and Secure Workshop Locations						
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00	
10.2 Advertise Workshops						
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00	
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00	
Advertising Costs, Materials, Supplies				\$ 1,500.00	\$ 1,500.00	
10.3 Conduct Workshops						
Labor - Conservation Project Planner	\$ 65.00	80	\$ 5,200.00		\$ 5,200.00	
Labor - Project Assistant	\$ 45.00	20	\$ 900.00		\$ 900.00	
Labor - Conservation Technical Specialist	\$ 75.00	80	\$ 6,000.00		\$ 6,000.00	
Labor - Conservation Educator @ \$75/hr	\$ 75.00	80	\$ 6,000.00		\$ 6,000.00	
Facility Rent, Materials, Supplies, Printing @ \$300 per Workshop				\$ 1,500.00	\$ 1,500.00	
Task 11 Technical Assistance (Assessments)		396	\$ 27,300.00	\$ 2,000.00	\$ 29,300.00	
11.1 Advertise Availability of Technical Assistance						
Labor - Conservation Project Planner	\$ 65.00	4	\$ 260.00		\$ 260.00	
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00	
11.2 Develop Property Assessment Form						
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00	
Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00	
Labor - Conservation Technical Specialist	\$ 75.00	8	\$ 600.00		\$ 600.00	
11.3 Site Visits						
Labor - Conservation Project Planner	\$ 65.00	100	\$ 6,500.00		\$ 6,500.00	
Labor - Conservation Technical Specialist	\$ 75.00	100	\$ 7,500.00		\$ 7,500.00	
11.4 Follow-up Property Assessment & BMP Recommendations			\$ -			
Labor - Conservation Project Planner	\$ 65.00	80	\$ 5,200.00		\$ 5,200.00	
Labor - Conservation Technical Specialist	\$ 75.00	80	\$ 6,000.00		\$ 6,000.00	
Materials, Supplies, Printing, Advertising Costs				\$ 2,000.00	\$ 2,000.00	

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Back-up Calculations - TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program						
	(d) Construction/Implementation Task	\$/hr	No of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 12	Demonstration/Pilot Projects		452	\$ 29,820.00	\$ 85,500.00	\$ 115,320.00
12.1	Technical Advisory Committee Meetings/Project Selection					
	Labor - Conservation Project Planner	\$ 65.00	20	\$ 1,300.00		\$ 1,300.00
	Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
	Labor - Conservation Technical Specialist	\$ 75.00	20	\$ 1,500.00		\$ 1,500.00
12.2	Plan Preparation and Design					\$ -
	Labor - Conservation Project Planner	\$ 65.00	40	\$ 2,600.00		\$ 2,600.00
	Labor - Project Assistant	\$ 45.00	16	\$ 720.00		\$ 720.00
	Labor - Conservation Technical Specialist	\$ 75.00	84	\$ 6,300.00		\$ 6,300.00
12.3	Permitting (if required)					\$ -
	Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
12.4	Construction Contracting			\$ -		\$ -
	Labor - Conservation Project Planner	\$ 65.00	40	\$ 2,600.00		\$ 2,600.00
	Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
12.5	Project Construction					\$ -
	Labor - Conservation Project Planner	\$ 65.00	20	\$ 1,300.00		\$ 1,300.00
	Labor - Conservation Technical Specialist	\$ 75.00	20	\$ 1,500.00		\$ 1,500.00
	Labor - Project Assistant	\$ 45.00	8	\$ 360.00		\$ 360.00
	Materials & Labor to Implement 5 Demonstration Projects @ est. \$17,000 each				\$ 85,000.00	\$ 85,000.00
	(NOTE: Each Demonstration project will require site specific design, plans & construction costs)					\$ -
	(Note: Example Demonstration/Pilot Project budget shown below)					
12.6	Performance Evaluation					\$ -
	Labor - Conservation Project Planner	\$ 65.00	80	\$ 5,200.00		\$ 5,200.00
12.7	Reporting					\$ -
	Labor - Conservation Project Planner	\$ 65.00	80	\$ 5,200.00		\$ 5,200.00
	Materials, Supplies, Printing				\$ 500.00	\$ 500.00

Budget Category (d) Construction/Implementation

Example Demonstration/Pilot Project

	NRCS Practice Code*	Cost per Unit	Unit	# of Units	Total Cost	Cost Share @ 50%	
						Cost per Unit	Total Cost Share
Install 1 acre of vegetated filter strip	393	\$ 1,720.00	acre	1	\$ 1,720.00	\$ 860.00	\$ 860.00
Construct a 192 sq ft compost pad w/roof	317	\$ 34.00	sq ft	192	\$ 6,528.00	\$ 17.00	\$ 3,264.00
Construct 3 8'x8' timber sided manure bins	317	\$ 20.00	sq ft	192	\$ 3,840.00	\$ 10.00	\$ 1,920.00
Install 100 linear feet of roof gutter and downspout	558	\$ 26.00	lf	100	\$ 2,600.00	\$ 13.00	\$ 1,300.00
Install 300 linear feet of wooden fencing	382	\$ 15.00	lf	300	\$ 4,500.00	\$ 7.50	\$ 2,250.00
Install 300 linear feet of French Drain	558	\$ 40.00	lf	300	\$ 12,000.00	\$ 20.00	\$ 6,000.00
Install 300 lf grass waterway	412	\$ 2.00	sq ft	300	\$ 600.00	\$ 1.00	\$ 300.00
Install Heavy Use Area Protection	561	\$ 4.80	sq ft	300	\$ 1,440.00	\$ 2.40	\$ 720.00
Subtotal Construction Cost					\$ 33,228.00		\$ 16,614.00

* NRCS Practice Codes reference NRCS Practice Standards used nationwide for EQIP and WHIP Programs

Standard BMP's, Notes, and Construction Specifications can be found in Section 4 of the NRCS Field Office Technical Guide

<http://efotg.sc.egov.usda.gov/treemenuFS.aspx>

Cost Estimates from NRCS FY2013 EQIP Practice Payment Rates (California)

(e) Environmental Compliance/ Mitigation/Enhancement					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
There are no Compliance/Mitigation costs					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(f) Construction Administration					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
Task	Cost				
Task 13 Construction Administration	\$ 5,748				
Total (rounded)	\$ 5,745				
	Total Cost				
Demonstration/Pilot Project Construction Costs (Task 12)	\$ 115,320.00				
5% Task 12 costs	\$ 5,748				
Costs based on previous project implementation and construction experience					

(g) Other Costs					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
Task	Cost	Matching Funds	Total Cost		
Task 14: Ongoing Project Oversight		\$ 28,560	\$ 28,560		
Task 15: Completed TCRCD Stream Team Water Quality Testing		\$ 29,250	\$ 29,250		
Task 16: Water Quality Assessments	\$ 4,040	\$ 18,000	\$ 22,040		
Task 17: Work Plan Preparation		\$ 14,800	\$ 14,800		
TOTAL COST	\$ 4,040	\$ 90,610	\$ 94,650		
In-Kind Service Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
In- Kind Services Provided		1573	\$ 90,610.00	\$ -	\$ 90,610.00
Task 14: Ongoing Project Oversight by TCRCD Board Members Volunteer In-Kind Services @\$70/hr - 24 hrs/qtr - 17 Qtrs	\$ 70.00	408	\$ 28,560.00	\$ -	\$ 28,560.00
Task 15: Completed TCRCD Stream Team Water Quality Testing in-kind Volunteer Service (2008-2012)	\$ 50.00	585	\$ 29,250.00	\$ -	\$ 29,250.00
Task 16.1: Ongoing TCRCD Stream Team Water Quality Testing in-kind Volunteer Service (2013-2017)	\$ 50.00	360	\$ 18,000.00	\$ -	\$ 18,000.00
Task 17: Work Plan Preparation					
Labor - TCRCD District Mgr - in-kind service - Work Plan Preparation (11/2012 - 3/2013)	\$ 65.00	120	\$ 7,800.00	\$ -	\$ 7,800.00
Labor - TCRCD Board Member - in-kind service - Work Plan Preparation (11/2012 - 3/2013)	\$ 70.00	100	\$ 7,000.00	\$ -	\$ 7,000.00
Task 16.2 Regional Water Quality Database Development			\$ 2,840.00	\$ 1,200.00	\$ 4,040.00
Labor - Conservation Project Planner	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - IT Specialist	\$ 65.00	8	\$ 520.00		\$ 520.00
Labor - Project Assistant (Data Entry)	\$ 45.00	40	\$ 1,800.00		\$ 1,800.00
Materials and Supplies				\$ 1,200.00	\$ 1,200.00

(h) Construction Implementation Contingency					
Project Name: TCRCD Small Acreage Storm Water Pollution Prevention and Landowner Stewardship Program					
Task	Cost				
5% of overall Demonstration/Pilot Project Construction (Task 12)	\$ 3,460				
Total	\$ 3,460				
Demonstration/Pilot Project Construction Costs (Task 12):	\$ 115,320.00				
3% of overall Demonstration/Pilot Project Construction	\$ 3,459.60				

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal**

D. Amador Tuolumne Community Action Agency
Home-Level Water Conservation for the DAC

Table 7 – Project Budget Proposal Title: Stanislaus IRWM Region Proposition 84 Round 2 Implementation Grant Proposal Project Title: Home-Level Water Conservation for the DAC Project serves a need of a DAC?: YES Funding Match Waiver request?: YES					
Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Source*	(d) Total Cost
(a)	Direct Project Administration Costs	\$ 13,750			\$ 13,750
(b)	Land Purchase/Easement	\$ -			\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ -			\$ -
(d)	Construction/Implementation	\$ 145,028	\$ -	\$ -	\$ 145,028
(e)	Environmental Compliance/Mitigation/Enhancement	\$ -			\$ -
(f)	Construction Administration	\$ 5,500			\$ 5,500
(g)	Other Costs	\$ -			\$ -
(h)	Construction/Implementation Contingency	\$ 35,722			\$ 35,722
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 200,000	\$ -	\$ -	\$ 200,000
*List sources of funding: All activities are funded by this grant except for the cost of travel. ATCAA will install water conservation measures in homes where we are actively working with our Low Income Home Energy Assistance grant or our Weatherization Assistance Program grant. We will leverage these grants to pay for travel costs and incidental parts and pieces.					

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal****(a) Direct Project Administration Costs**

Project Name: Home-Level Water Conservation for the DAC

Task	Cost
Task 1: Grant Administration	\$ 12,000
Task 2: Labor Compliance Program	\$ -
Task 3: Reporting	\$ 1,750
	\$ -
Total	\$ 13,750

Back-up Calculations

Task	\$/hr	# of hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Administration (share of Regional Grant Administration)					
Labor - Project Director	\$ 70.00	4.40	\$ 308		\$ 308
Labor - Project Manager	\$ 65.00	121.05	\$ 7,868		\$ 7,868
Labor - Administrative Assistant	\$ 45.00	27.51	\$ 1,238		\$ 1,238
Labor - Contract Accountant	\$ 100.00	15.41	\$ 1,541		\$ 1,541
Regional Grant Administration Expenses				\$ 1,045.39	\$ 1,045
Task 2: Labor Compliance Program*					\$ -
Task 3: Reporting					
Development of reports and invoices - 16 reports @ 2hrs. Ea. @ \$54/hr (rounded).	\$ 54.00	\$ 32	\$ 1,728		\$ 1,750
Total		200	\$ 12,683	\$ 1,045	\$ 13,750

Notes:

1) Costs based on prior grant administration experience

*ATCAA has a state-approved Labor Compliance Program that we will also apply to this project. No changes to this plan are anticipated and no costs are associated with compliance to this Labor Compliance Program.

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement

Project Name: Home-Level Water Conservation for the DAC

N/A No land purchases or easements are required for this project.

(c) Planning/Design/Engineering/ Environmental Documentation

Project Name: Home-Level Water Conservation for the DAC

N/A. There are no planning costs involved with this project.

(d) Construction/Implementation

Project Name: Home-Level Water Conservation for the DAC

Task	Cost
Task 4: Construction/Implementation	\$ 145,028
Total	\$ 145,028

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(d) Construction/Implementation															
Project Name: Home-Level Water Conservation for the DAC															
Task	Cost														
Task 4: Construction/Implementation	\$ 145,028														
Total	\$ 145,028														
Back-up Calculations															
Costs based on: This plan involves the installation of water conservation measures in the homes of low-income DAC members. The number of hours required for each task are estimated installation times by the manufacturer(s). Labor cost is based on ATCAA's Federally-approved labor rate of \$54/hr.															
Calculations															
Task	# of Labor Hours	\$/hr	Labor Cost	Materials	AVG Total Labor + Materials	Avg. Number of Units Per Home	Number of Homes per Month	Number of Homes per Quarter	Number of Homes per 12-Mo. Year	Total Grant Homes	Monthly Cost	Quarterly Cost	Annual (12-mo) Cost	Total Grant Cost	
Assessment	1.25	54	\$67.50		\$67.50	1.00	5	15	60	240	\$337.50	\$1,012.50	\$4,050.00	\$16,200.00	
Inspection	1.25	54	\$67.50		\$67.50	1.00	1	3	12	48	\$67.50	\$202.50	\$810.00	\$3,240.00	
Indoor Installation - Low Flow Showerheads	0.50	54	\$27.00	\$13.99	\$40.99	2.00	4	12	48	192	\$327.92	\$983.76	\$3,935.04	\$15,740.16	
Indoor Installation - Low flow aerators	0.25	54	\$13.50	\$0.80	\$14.30	3.00	4	12	48	192	\$171.60	\$514.80	\$2,059.20	\$8,236.80	
Indoor Installation - Low flow toilets	2.50	54	\$135.00	\$125.00	\$260.00	1.00	4	12	48	192	\$1,040.00	\$3,120.00	\$12,480.00	\$49,920.00	
Indoor Installation - Replace washing machine	2.50	54	\$135.00	\$399.00	\$534.00	0.10	4	12	48	192	\$213.60	\$640.80	\$2,563.20	\$10,252.80	
Indoor Installation - Replace dishwasher	2.50	54	\$135.00	\$299.00	\$434.00	0.10	4	12	48	192	\$173.60	\$520.80	\$2,083.20	\$8,332.80	
Outdoor Installation - Winterize spigots and water pipes	1.00	54	\$54.00	\$10.00	\$64.00	0.75	3	9	36	144	\$144.00	\$432.00	\$1,728.00	\$6,912.00	
Outdoor Installation - Catch-can test, adjust sprinkler system	0.50	54	\$27.00	\$0.00	\$27.00	0.75	3	9	36	144	\$60.75	\$182.25	\$729.00	\$2,916.00	
Outdoor Installation - Adjust sprinkler timers	0.25	54	\$13.50	\$0.00	\$13.50	0.10	3	9	36	144	\$4.05	\$12.15	\$48.60	\$194.40	
Outdoor Installation - Spread mulch	3.50	54	\$189.00	\$50.00	\$239.00	0.10	3	9	36	144	\$71.70	\$215.10	\$860.40	\$3,441.60	
Outdoor Installation - Install drip irrigation system	4.00	54	\$216.00	\$100.00	\$316.00	0.25	3	9	36	144	\$237.00	\$711.00	\$2,844.00	\$11,376.00	
Outdoor Installation - Check sprinkler valves and heads, repair leaks	1.00	54	\$54.00	\$50.00	\$104.00	0.50	3	9	36	144	\$156.00	\$468.00	\$1,872.00	\$7,488.00	
Outdoor Installation - lawn aeration	2.00	54	\$108.00	\$0.00	\$108.00	0.05	3	9	36	144	\$16.20	\$48.60	\$194.40	\$777.60	
Leak Repair. Leak frequency and repair costs are only calculable after the fact. We anticipate using incidental parts and pieces only. Leak repair is a priority and could reduce the other measures installed, depending on cost. Severe leaks have the potential to have all water conservation measures "deferred" (no work due to too-large of a project). Because of the difficult nature of budgeting this item, we have included a large (25%) contingency.															
							Totals	4	40	160	240	\$3,021.42	\$9,064.26	\$36,257.04	\$145,028.16
Notes:							0								
1) Labor cost based on ATCAA's Federally-approved labor rate. This amount is also used for our LIHEAP and WAP grants from DOE & HHS, which must be leveraged to pay the cost of travel. The leveraging of these grants is critical to this project.															
2) Supplies costing methodology differs as noted below.															
3) Outdoor measures = \$500 per home, maximum.															
4) Assessments result in ~20% deferrals (no further work). Reasons include missed appointments, unsafe or unhealthy conditions, job too large, etc.															

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Price Comparisons for Materials					
Shower Heads- 2.5 gpm					
Price #1 - Lowe's Hardware	\$ 15.07				
Price #2 - Home Depot	\$ 14.98				
Price #3 - Orchard Supply	\$ 13.99				
Aerators					
80¢ each. No cost comparisons are made for items costing less than \$1.					
Low-flow Toilets- 1.6 gpf + seat					
Price #1 - Lowe's Hardware	\$199.00				
Price #2 - Home Depot	\$125.00				
Price #3 - Orchard Supply	\$149.00				
Washing Machines					
<p>ATCAA would replace inefficient washing machines with Energy Star washing machines of the same capacity, if allowable. When replacing non-Energy Star washing machines with Energy Star washing machines, replacements of all capacities are considered cost effective by federal definition. Capacities range from 2.4cf to 4.7cf and prices range from a low of \$299 for a 2.4cf top-loading machine to over \$600 for a 3.9cf top-loading machine. Side-loading machines conserve more water, but the cost range is prohibitive. It must be noted that all jobs must be leveraged with ATCAA's weatherization contracts, which limit total cost for each job, including leveraged costs. Those limits are \$3055 (HHS LIHEAP grant) and in limited cases, \$6572 (DOE WAP grant). In 4Q2012, ATCAA had a weatherization total job cost average of \$1,436. When a decision is made by our assessor that the dishwasher should be replaced, the crew may have to negotiate with the owner of the machine to be replaced if it will cause the job to exceed our limits. If the client is not satisfied with an affordable unit as per our regulation, the washing machine will not be replaced. If our assessor decides that other, more important measures must be installed instead, the washing machine will not be replaced. For the purpose of this budget, we have established an average cost of \$399 per washing machine.</p>					
Dishwashers					
<p>ATCAA would replace inefficient dishwashers with Energy Star dishwashers of the same size. The physical dimensions of a dishwasher must match the cabinetry. However, 24" models are the most common. The discussion above regarding washing machines applies to dishwashers as well, however we have chosen to replace all 24" models with the lowest cost alternative.</p>					
Price #1 - Lowe's Hardware	329				
Price #2 - Home Depot	299				
Price #3 - Algeo's Appliances	349				
Outdoor Measures					
<p>The price for outdoor measures cannot be accurately estimated. The scope of work will have a very high variance from job to job. Some homes in this region have no landscaping whatsoever, while some are more extensive. Many measures have only a minimal labor cost, like adjusting the sprinklers. Others, like installing drip irrigation, are more expensive. The costs of outdoor measures must figure into our maximum per-job limits as discussed above. Also, outdoor measures will assume a low priority, beneath most weatherization measures we install because the weatherization measures usually represent the best opportunity for the occupants to save money, as well as to improve the and health and safety of the home, which must be primary considerations. ATCAA will supply water-savings calculators to our assessors and the assessors will decide if outdoor measures are cost effective and allowable. We have entered a maximum per-job dollar amount of \$500.</p>					
Notes:					
Local vendors used for expensive-to-ship items					
Availability of vendors is limited in our region.					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(e) Environmental Compliance/ Mitigation/Enhancement					
Project Name: Home-Level Water Conservation for the DAC					
There are no Environmental Compliance costs					

(f) Construction Administration					
Project Name: Home-Level Water Conservation for the DAC					
Task	Cost				
Task 5. Construction Admin- Amador Tuolumne Community Action Agency					
Task 5.1 Outreach/Intake	\$ 2,500				
Task 5.2 Supervision	\$ 3,000				
Total	\$ 5,500				
Costs based on: Prior Project Management and Administration experience					
Back-up Calculations					
Task	\$/hr	# of hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 5: Construction Administration					
Task 5.1 Labor - Outreach, intake- rounded for unknown number of applicants.	\$ 54.00	46	\$ 2,500		\$ 2,500
Task 5.2 Supervision rounded for unknown number of homes/measures/ leaks/repairs required.	\$ 54.00	56	\$ 3,000		\$ 3,000
Total		102	\$ 5,500	\$ -	\$ 5,500

(g) Other Costs					
Project Name: Home-Level Water Conservation for the DAC					
No Other costs are budgeted for this grant request. There will be charges which are not allowable, e.g., travel. There will also be minimal charges related to small or incidental parts and pieces, e.g. screws, clamps. ATCAA intends to leverage every job with our Low Income Home Energy Assistance Program and/or our Weatherization Assistance Program grants. By combining every job, we obviate the need to charge this grant for travel or to increase travel charges to one of the other grants. Small parts and pieces costing less than \$5 are considered incidental for the purpose of this grant application. Every job we work has the potential to require extra parts, pieces or additional work, e.g., we might find the pipe fixture feeding a showerhead is damaged or stripped, in which case it may have to be replaced. These sorts of circumstances occur frequently, and are included in the Construction Contingency budget category.					

(h) Construction Implementation Contingency					
Project Name: Home-Level Water Conservation for the DAC					
Task	Cost				
Task 6. Construction Contingency	\$ 35,722				
Total	\$ 35,722				
Costs based on:					
A contingency of 25% (rounded) is built into this project because the nature of the work does not allow us to calculate the frequency that certain measures will be installed until we have assessed each home. No money has been budgeted for what could be one of our largest expenditures, which is the repair of leaks, a cost that cannot be estimated beforehand.					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

E. TUOLUMNE UTILITIES DISTRICT

Phoenix Lake Preservation and Restoration - Phase 2

Table 7 – Project Budget

Proposal Title: Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Project Title: Phoenix Lake Preservation and Restoration -Phase 2

Project serves a need of a DAC?: Yes

Funding Match Waiver request?: Yes. Partial waiver requested.

	(a)	(b)	(c)	(d)
Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$102,000	\$52,000	\$0	\$154,000
(b) Land Purchase/Easement	\$400,000	\$0	\$0	\$400,000
(c) Planning/Design/Engineering/Environmental Documentation	\$1,198,000	\$20,250	\$0	\$1,218,250
(d) Construction/Implementation	\$0	\$0	\$0	\$0
(e) Environmental Compliance/Mitigation/Enhancement	\$0	\$0	\$0	\$0
(f) Construction Administration	\$0	\$0	\$0	\$0
(g) Other Costs	\$0	\$0	\$0	\$0
(h) Construction/Implementation Contingency	\$0	\$0	\$0	\$0
(i) Grand Total (Sum rows (a) through (h) for each column)	\$1,700,000	\$72,250	\$0	\$1,772,250

***List sources of funding:** *Use as much space as required*

Match funding source is TUD annual Operating Budget Allocations

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs

Project Name: Phoenix Lake Preservation and Restoration-Phase 2

Task	Cost
Task 1: Administration	\$ 151,000
Task 2: Reporting	\$ 3,000
Total	\$ 154,000

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Regional Grant Administration-Project Director	490	\$ 70	\$ 34,300		\$ 34,300
Task 1: Regional Grant Administration-Project Manager	840	\$ 65	\$ 54,600		\$ 54,600
Task 1: Regional Grant Administration-Contract Accountant	101	\$ 100	\$ 10,100		\$ 10,100
Task 1: Project Administration (Funding Match)	675.33	\$ 77	\$ 52,000		\$ 52,000
Task 2 Reporting	40	\$ 75	\$ 3,000		\$ 3,000
Total	2146.33		\$ 154,000	\$ -	\$ 154,000

Costs based on prior grant administration experience

See Supplemental Information section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement

Project Name: Phoenix Lake Preservation and Restoration-Phase 2

Task	ROW Agent/ Surveyor/ Appraiser	Land Purchase/ Easement	Total
Task 3: Surveying	\$4,000		\$4,000
Task 4: Land Purchase*	\$396,000		\$396,000
			\$0
Total			\$400,000

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Surveying	40	75	\$3,000	\$1,000	\$4,000

*Land Purchase cost estimate is based on purchasing the required land for the sediment forebay, 10 acres at \$39,500/ac.

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(c) Planning/Design/Engineering/ Environmental Documentation						
Project Name: Phoenix Lake Preservation and Restoration-Phase 2						
Task	Cost					
Task 5: Request For Proposals	\$ 23,850					
Task 6: Engineering Design and Specifications	\$ 806,008					
Task 7: Environmental Documentation	\$ 388,392					
Total	\$ 1,218,250					
<p>Costs based on: The cost estimate for engineering design is based on a percentage of the estimated total construction costs. A typical cost for design for this type of project ranges from 5% to 12% of the total construction costs. The total construction costs estimate for Phase 3 (not a part of this application) is \$12,000,000. Based on previous experience and project specific evaluations by TUD District Engineers, engineering design costs for this particular project were estimated at approximately 6.7% of the total construction costs. The cost estimate for Environmental Design is based on a cost estimate derived in the Phoenix Lake Preservation and Restoration Plan (completed Phase 1 of the Phoenix Lake Preservation and Restoration Project). This includes all necessary environmental documentation and acquisition of permits from regulatory agencies. The cost estimate (Table 7-1) from the Plan is provided below. Cost estimates for this proposal are based on the high estimate in the table plus a contingency for inflation of prices.</p>						
Back-up Calculations						
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies	
Task 5: Request For Proposals	260	\$77	\$20,000		\$20,000	
Task 5: Request for Proposals (Funding Match)	50	\$77	\$3,850		\$3,850	
Task 6: Engineering Design and Specifications (Funding Match)	104	\$77	\$8,008		\$8,008	
Task 7: Environmental Documentation (Funding Match)	109	\$77	\$8,392		\$8,392	

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Table 7-1. Estimated Cost for Regulatory Compliance for the Phoenix Lake Preservation & Restoration Plan¹

Compliance Document, Permit or Approval	Low	High	Average	Notes & Assumptions
CEQA Compliance	\$120,000	\$225,000	\$172,500	Low estimate assumes preparation of an IS/MND. High estimate assumes preparation of an EIR. Assumes no NEPA required (Add 20% for NEPA). Includes traffic and air studies.
CWA Section 404	\$35,000	\$45,000	\$40,000	Includes preparation of an Individual Permit application, wetland delineation, 404(b)(1) alternatives evaluation, and Habitat Mitigation and Monitoring Plan.
ESA Section 7	\$15,000	\$20,000	\$17,500	Low estimate assumes preparation of a BA and informal consultation. High estimate assumes formal consultation.
NHPA Section 106	\$12,000	\$20,000	\$16,000	Low estimate assumes preparation of a Cultural Resources Report, but no documentation of newly discovered cultural resources. High estimate assumes documentation of up to 3 newly discovered cultural resources.
Clean Water Act Section 401 Water Quality Certification, WDRs and SWPPP	\$20,000	\$30,000	\$25,000	Differences in low and high estimates account for uncertainty in WDR permit requirements. Does not include sediment testing (add ~ \$50,000).
Fish and Game Code 1602- Lakebed & Streambed Alteration Agreement and CESA Compliance	\$12,000	\$20,000	\$16,000	Includes preparation of 1602 Notification form and Agreement Negotiations. Low estimate assumes limited CESA compliance is needed. High estimate assumes CESA consultation is needed.
DSOD & County Review	\$10,000	\$15,000	\$12,500	Coordination with DSOD and Tuolumne County for plan and project review.
Total	\$224,000	\$375,000	\$299,500	

1. Estimate is for lake sediment removal and wetland enhancement activities; watershed-based sediment source control or off-site reuse/disposal area assessments are not included. Cost estimate is based on 2012 Northern California environmental consulting industry rates. Permit filing fees are included, but compensatory mitigation and monitoring are not included.

(d) Construction/Implementation - N/A

Project Name: Phoenix Lake Preservation and Restoration-Phase 2

There are no Construction/Implementation Costs

(e) Environmental Compliance/ Mitigation/Enhancement - N/A

Project Name: Phoenix Lake Preservation and Restoration-Phase 2

There are no Compliance/Mitigation Costs

(f) Construction Administration - N/A

Project Name: Phoenix Lake Preservation and Restoration-Phase 2

There are no Construction Administration Costs

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(g) Other Costs - N/A						
Project Name: Phoenix Lake Preservation and Restoration-Phase 2						
There are no Other Costs						

(h) Construction Implementation Contingency - N/A						
Project Name: Phoenix Lake Preservation and Restoration-Phase 2						
There are no Construction/Implementation Contingency Costs						

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

F. TUOLUMNE RIVER TRUST

Watershed Outreach and Stewardship

Table 7 – Project Budget

Proposal Title: Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

Project Title: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

Project serves a need of a DAC?: Yes

Funding Match Waiver request?: No

	(a)	(b)	(c)	(d)
Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$ 11,436	\$ 10,370		\$ 21,806
(b) Land Purchase/Easement	\$ -			
(c) Planning/Design/Engineering/ Environmental Documentation	\$ 4,993			\$ 4,993
(d) Construction/Implementation	\$ 33,572	\$ 73,187		\$ 106,758
(e) Environmental Compliance/ Mitigation/Enhancement	\$ -			
(f) Construction Administration	\$ -			
(g) Other Costs	\$ -	\$ 2,201		\$ 2,201
(h) Construction/Implementation Contingency				
(i) Grand Total (Sum rows (a) through (h) for each column)	\$ 50,000	\$ 85,757	\$ -	\$ 135,758

*List sources of funding: Use as much space as required

Source of Funding	Amount	Funding Period	Status	
National Forest Foundation 2013	\$ 30,442	4/1/13-4/1/14	Proposed	
National Forest Foundation 2012	\$ 28,313	4/1/12-4/1/13	Awarded	
Sonora Area Foundation	\$ 27,002	7/7/09-12/31/12	Awarded	
Total Matching	\$ 85,757			

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

Task	Cost
Task 1: Administration	\$ 6,260
Task 2: Reporting	\$ 3,338
Task 3: Assessment and Evaluation	\$ 1,838
Total	\$ 11,436

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Administration-Project Director	1	\$ 70	\$ 70	\$ 261	\$ 331
Task 1: Administration-Project Manager	30	\$ 65	\$ 1,950		\$ 1,950
Task 1: Administration-Contract Accountant	4	\$ 100	\$ 400		\$ 400
Task 1: Administration-Finance Director labor + rent, utl, fees	58	\$ 44	\$ 2,533	\$ 1,045	\$ 3,578
Task 2: Reporting-Administrative Assistant	7	\$ 45	\$ 315		\$ 315
Task 2: Reporting-Deputy Executive Director	74	\$ 41	\$ 3,023		\$ 3,023
Task 3: Assessment and Evaluation (Dev. evaluation and eval mtgs)	45	\$ 41	\$ 1,838		\$ 1,838
Total	219		\$ 10,130	\$ 1,306	\$ 11,436

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

There are no Land Purchase costs

(c) Planning/Design/Engineering/ Environmental Documentation

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

Task	Cost
Task 5: Planning	\$ 4,993
Total	\$ 4,993

Costs based on: Staff salaries plus benefits and payroll taxes for Deputy Executive Director, Bookkeeper and Executive Director

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 5: Planning (developing schedule of events and activities to implement)					
Labor - Deputy Executive Director + LCD projector and laptap	40	\$ 41	\$ 1,634	1,200	\$ 2,834
Labor - Executive Director	16	\$ 45	\$ 726		\$ 726
Labor - Advancement Director	10	\$ 30	\$ 298		\$ 298
Labor - P2S Coordinator	40	\$ 28	\$ 1,135		\$ 1,135
Subtotal					\$ 4,993

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(d) Construction/Implementation					
Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program					
Task	Cost				
Task 6: Presentations	\$ 3,908				
Task 7: Events	\$ 11,936				
Task 8: Volunteer Workdays	\$ 13,642				
Task 9: Media Placements	\$ 4,085				
Total	\$ 33,572				
Costs based on: Staff salaries plus benefits and payroll taxes for Deputy Executive Director, Bookkeeper and Executive Director					
Back-up Calculations					
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 6: Presentations					\$ 3,908
Labor - Deputy Executive Director (presentation content)	80	\$ 41	\$ 3,268		\$ 3,268
Labor - Deputy Executive Director (6 presentations x 2 hours)	12	\$ 41	\$ 490		\$ 490
Expenses - Content and Printing				\$ 150	\$ 150
Task 7: Events (2 annual events)					\$ 11,936
Labor - Deputy Executive Director	80	\$ 41	\$ 3,268		\$ 3,268
Labor - Executive Director	20	\$ 45	\$ 908		\$ 908
Labor - Advancement Director	40	\$ 30	\$ 1,191		\$ 1,191
Labor -P2S Coordinator	80	\$ 28	\$ 2,270		\$ 2,270
Expenses - printing, facilities, postage, food, fees, equip				\$ 4,300	\$ 4,300
Task 8: Volunteer Workdays					\$ 13,642
Labor - Deputy Executive Director	160	\$ 41	\$ 6,536		\$ 6,536
Labor - Executive Director (program management and attend two workdays)	30	\$ 45	\$ 1,361		\$ 1,361
Labor - Advancement Director (organizing and recruitment for 8 workdays)	160	\$ 30	\$ 4,765		\$ 4,765
Expenses - tools/insurance/food				\$ 980	\$ 980
Task 9: Media Coordination					
Labor - Deputy Executive Director	100	\$ 41	\$ 4,085		\$ 4,085
subtotal					\$ 33,572

(e) Environmental Compliance/ Mitigation/Enhancement

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

There are no Compliance/Mitigation costs

(f) Construction Administration

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

There are no Construction Administration costs

(g) Other Costs

Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program

There are no Other costs

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(h) Construction Implementation Contingency	
Project Name: Tuolumne Stanislaus Watershed Outreach and Stewardship Program	
There are no Contingency costs	

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

G. CALAVERAS COUNTY WATER DISTRICT Douglas Flat/Vallecito Storage Ponds

Table 7 – Project Budget					
Proposal Title: Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal					
Project Title: Douglas Flat / Vallecito Storage Pond Project					
Project serves a need of a DAC?: <input checked="" type="radio"/> "Yes" or "No"					
Funding Match Waiver request?: <input checked="" type="radio"/> "Yes" or "No"					
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$ 18,000	\$ 7,464		\$ 25,464
(b)	Land Purchase/Easement				
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 125,000	\$ 2,550		\$ 127,550
(d)	Construction/Implementation				
(e)	Environmental Compliance/Mitigation/Enhancement				
(f)	Construction Administration				
(g)	Other Costs	\$ 57,000			\$ 57,000
(h)	Construction/Implementation Contingency				
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 200,000	\$ 10,014		\$ 210,014
*List sources of funding: Annual District Operating Funds					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs

Project Name: Douglas Flat/Vallecito Storage Pond Project

Task	Cost	Match	Total
Task 1: Administration	\$ 16,500	\$ 5,964	\$ 22,464
Task 2: Reporting	\$ 1,500	\$ 1,500	\$ 3,000
	\$ -		
	\$ -		
Total	\$ 18,000	\$ 7,464	\$ 25,464

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 1: Administration - Project Director	6	\$ 70	\$ 416		\$ 416
Task 1: Administration - Project Manager	140	\$ 65	\$ 9,077		\$ 9,077
Task 1: Administration - Administration	33	\$ 45	\$ 1,505		\$ 1,505
Task 1: Administration - Contract Accountant	22	\$ 100	\$ 2,156	\$ 1,172	\$ 3,328
Task 1: CCWD Labor - Project Engineer	29	\$ 75	\$ 2,175		\$ 2,175
Task 1: CCWD Labor - Project Engineer (In-kind Match)	50	\$ 75	\$ 3,750		\$ 3,750
Task 1: CCWD Labor - Accounting (In-kind Match)	8	\$ 100	\$ 800		\$ 800
Task 1: CCWD Labor - Utilities Director (In-kind Match)	14	\$ 101	\$ 1,414		\$ 1,414
Task 2: CCWD Labor - Engineer	20	\$ 75	\$ 1,500		\$ 1,500
Task 2: CCWD Labor - Engineer (In-Kind Match)	20	\$ 75	\$ 1,500		\$ 1,500
Total	342		\$ 24,292	\$ 1,172	\$ 25,464

Costs based on prior grant administration experience

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement

Project Name: Douglas Flat/Vallecito Storage Pond Project

*Land Purchase is not a part of the design/permitting phase.

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(c) Planning/Design/Engineering/ Environmental Documentation							
Project Name: Douglas Flat/Vallecito Storage Pond Project							
Task	Cost	Match	Total				
Task 3: Request For Proposals	\$ 5,000	\$ 1,050	\$ 6,050				
Task 4: Engineering Design and Specifications	\$ 80,000	\$ 750	\$ 80,750				
Task 5: Environmental Documentation	\$ 40,000	\$ 750	\$ 40,750				
Total	\$ 125,000	\$ 2,550	\$ 127,550				
Back-up Calculations							
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies		
Task 3: CCWD labor - Engineer	16	\$ 75	\$ 1,200	\$ -	\$ 1,200		
Task 3: CCWD labor - Engineer (in-kind Match)	14	\$ 75	\$ 1,050	\$ -	\$ 1,050		
Task 3: CCWD labor - Admin Assistant, printing and mailing	25	\$ 39	\$ 975	\$ 325	\$ 1,300		
Task 3: Consultant, preparation of scope and requirements			\$ 2,500	\$ -	\$ 2,500		
Task 4: Consultant to develop design and specifications			\$ 80,000	\$ -	\$ 80,000		
Task 4: CCWD labor - Engineer (in-kind Match)	10	\$ 75	\$ 750	\$ -	\$ 750		
Task 5: Consultant to develop all required environmental documentation			\$ 40,000	\$ -	\$ 40,000		
Task 5: CCWD labor - Engineer (in-kind Match)	10	\$ 75	\$ 750	\$ -	\$ 750		
(d) Construction/Implementation - N/A							
Project Name: Douglas Flat/Vallecito Storage Pond Project							
There are no construction costs							
(e) Environmental Compliance/ Mitigation/Enhancement - N/A							
Project Name: Douglas Flat/Vallecito Storage Pond Project							
There are no Environmental Compliance Costs							
(f) Construction Administration - N/A							
Project Name: Douglas Flat/Vallecito Storage Pond Project							
There are no Construction Administration Costs							
(g) Other Costs - N/A							
Project Name: Douglas Flat/Vallecito Storage Pond Project							
Task	Cost						
Task 6: Other Costs - Permitting and Title 22 Application	\$ 57,000						
Total	\$ 57,000						
Back-up Calculations							
Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies		
Task 6: CCWD labor - Utilities Director	40	\$ 101	\$ 4,050	\$ -	\$ 4,050		
Task 6: CCWD labor - Engineer	80	\$ 75	\$ 6,000	\$ -	\$ 6,000		
Task 6: CCWD labor - Admin Assistant, printing and mailing	50	\$ 39	\$ 1,950	\$ -	\$ 1,950		
Task 6: Consultant, prepare all permit and Title 22 requests			\$ 45,000	\$ -	\$ 45,000		

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(h) Construction Implementation Contingency - N/A					
Project Name: Douglas Flat/Vallecito Storage Pond Project					
There are no Construction Contingency Costs					

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal****H. GROVELAND COMMUNITY SERVICES DISTRICT****GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project**

Table 7 – Project Budget					
Proposal Title: Tuolumne-Stanislaus Integrated Regional Water Management					
Project Title: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project					
Project serves a need of a DAC?: "Yes"					
Funding Match Waiver request?: "Yes"					
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$ 68,500			\$ 68,500
(b)	Land Purchase/Easement				\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 15,000	\$ 11,740		\$ 26,740
(d)	Construction/Implementation	\$ 430,000			\$ 430,000
(e)	Environmental Compliance/Mitigation/Enhancement	\$ 3,000			\$ 3,000
(f)	Construction Administration	\$ 5,000			\$ 5,000
(g)	Other Costs	\$ 25,000			\$ 25,000
(h)	Construction/Implementation Contingency	\$ 53,500			\$ 53,500
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 600,000	\$ 11,740	\$ -	\$ 611,740
*List sources of funding: District Operations Budget					

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(a) Direct Project Administration Costs						
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project						
Task	Cost					
Task 1: Administration	\$ 52,825					
Task 2: Labor Compliance Program	\$ 8,500					
Task 3: Reporting	\$ 7,175					
Total	\$ 68,500					
Back-up Calculations						
Task	\$/hr	# of Hrs	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies	
Task 1: GCSD Administration						\$52,825.00
1.1 Project Tracking						
Labor - Project Manager/District Engineer	\$115.00	45				\$5,175.00
Labor - Project Administrator	\$30.00	60				\$1,800.00
1.2 Invoicing						
Labor - Project Manager/District Engineer	\$115.00	30				\$3,450.00
Labor - Project Administrator	\$30.00	60				\$1,800.00
1.3 Quality Control & Project Oversight						
Labor - Project Manager/District Engineer	\$115.00	40				\$4,600.00
1.4 Regional Grant Administration (TCRCD Share of Total)						
Labor - Project Director	\$70.00	60	\$4,200.00			\$4,200.00
Labor - Project Manager	\$65.00	300	\$19,500.00			\$19,500.00
Labor - Administrative Assistant	\$45.00	80	\$3,600.00			\$3,600.00
Labor - Contract Accountant	\$100.00	40	\$4,000.00			\$4,000.00
Regional share of Expenses				\$3,200.00		\$3,200.00
Materials, Supplies, Printing, Copies				\$1,500.00		\$1,500.00
Task 2: Labor Compliance Program						\$8,500.00
Based on 2% of Construction Costs (2% * \$425,000)						\$8,500.00
Task 3: Reporting-Quarterly & Final Reports						\$7,175.00
Labor- Project Manager/District Engineer	\$115.00	20	\$2,300.00			\$2,300.00
Labor-Project Administration	\$30.00	60	\$1,800.00			\$1,800.00
Materials, Supplies, Printing, Copies				\$3,075.00		\$3,075.00
Total (a) Direct Project Administration Costs						\$68,500.00

See Supplemental Information Section of Attachment 4 for details regarding Regional Grant Administration

(b) Land Purchase/Easement						
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project						
There are no Land Purchase Costs						

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

(c) Planning/Design/Engineering/ Environmental Documentation					
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project					
Task	Cost	Match	Total		
Task 4: Preliminary Design-Planning		\$6,600	\$ 6,600		
Task 5: CEQA/NEPA Documentation	\$4,220	\$5,140	\$ 9,360		
Task 6: Design	\$ 10,780		\$ 10,780		
Total	\$ 15,000	\$ 11,740	\$ 26,740		
Back-up Calculations					
Task	\$/hr	# of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 4: Preliminary Design-Planning					
Labor - Project Engineer (complete - Match)	\$110.00	60	\$6,600.00		\$6,600.00
Task 5: CEQA/NEPA Documentation					
Labor - Lawyer (Complete - Match)	\$235.00	20	\$4,700.00		\$4,700.00
Labor - Project Engineer (complete - Match)	\$110.00	4	\$440.00		\$440.00
Labor- Lawyer	\$235.00	10	\$2,350.00		\$2,350.00
Labor- Administrative Assistant	\$93.50	20	\$1,870.00		\$1,870.00
Task 6: Design					
Labor- Project Engineer	\$110.00	98	\$10,780.00		\$10,780.00
		0	\$0.00		\$0.00
Total (c) Planning/Design/Engineering/Environmental Documentation					\$26,740.00

(d) Construction/Implementation					
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project					
Task	Cost				
Task 7: Construction Contracting	\$ 5,000				
Task 8: Construction	\$ 425,000				
Total	\$ 430,000				
Back-up Calculations					
Task	\$/hour	# of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 7 Construction Contracting					
Labor- Project Engineer	\$ 100.00	50	\$ 5,000.00		\$ 5,000.00

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

GROVELAND COMMUNITY SERVICES DISTRICT SEWER LIFT STATION NO. 16 -RECONSTRUCTION OPINION OF PROBABLE CONSTRUCTION COSTS					
Item	Description	Qty	Unit	Unit Price	Amount
1	Convert Existing Drywell to Wetwell				
	Surface preparation	1	LS	\$10,000	\$10,000
	Primer & Epoxy Coating	1250	SQFT	\$30	\$37,500
	Bypass Pumping during conversion	1	LS	\$6,000	\$6,000
	12" Coring	2	EA	\$3,250	\$6,500
	Demolition of existing Pumps and Piping - Labor	100	HR	\$75	\$7,500
	Subtotal				\$67,500
2	New Submersible Pumps				
	Submersible pumps	2	EA	\$15,000	\$30,000
	Rails and base elbows	2	EA	\$5,000	\$10,000
	Electrical	1	LS	\$2,500	\$2,500
	Installation - Labor	64	HR	\$75	\$4,800
	Subtotal				\$47,300
3	New Skid Mounted Pumps				
	Booster Pumps	2	EA	\$25,000	\$50,000
	Skid mounting	1	LS	\$10,000	\$10,000
	Electrical	1	LS	\$2,500	\$2,500
	Concrete Pad	1	LS	\$1,000	\$1,000
	Fiberglass enclosure	1	EA	\$5,000	\$5,000
	Installation - Labor	72	HR	\$75	\$5,400
	Subtotal				\$73,900
4	New Piping				
	Check Valves	4	EA	\$2,000	\$8,000
	Plug Valves	4	EA	\$2,000	\$8,000
	Pipe & Fittings (4" typical)	1	LS	\$10,000	\$10,000
	Concrete Vault	1	EA	\$3,000	\$3,000
	Installation - Labor	92	HR	\$75	\$6,900
	Subtotal				\$35,900
5	New Emergency Generator				
	Emergency Generator (150 kw)	1	EA	\$40,000	\$40,000
	Automatic Switch Gear	1	EA	\$1,000	\$1,000
	Concrete Pad	1	EA	\$1,000	\$1,000
	Installation - Labor	24	HR	\$75	\$1,800
	Subtotal				\$43,800
6	New MCC				
	Overload protection disconnects	4	EA	\$2,500	\$10,000
	VFDs	4	EA	\$15,000	\$60,000
	Telemetry Reconfiguration & Cabling	1	LS	\$8,700	\$8,700
	Installation - Labor	132	HR	\$75	\$9,900
	Subtotal				\$88,600
7	Existing Wet Well Coating				
	Surface Preparation	1	LS	\$6,000	\$6,000
	Primer & Epoxy Coating	450	SQFT	\$30	\$13,500
	Subtotal				\$20,000
8	Reconstruction of force main access manholes				
	Access Manholes	12	EA	\$4,000	\$48,000
	Subtotal				\$48,000
9	Subtotal Construction				\$425,000

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal**

(e) Environmental Compliance/ Mitigation/Enhancement						
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project						
Task	Cost					
Task 9: Environmental Compliance	\$ 3,000					
Total	\$ 3,000					
Back-up Calculations						
Task	\$/Hour	# of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies	
Task 9: Environmental Compliance						
Labor- Project Contractor	\$75.00	32	\$2,400.00	\$600.00	\$3,000.00	

(f) Construction Administration						
Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project						
Task	Cost					
Task 10: Construction Administration	\$ 5,000					
Total	\$ 5,000					
Back-up Calculations						
Task	\$/hr	# of Hours	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies	
Task 10: Construction Administration						
Labor- Project Engineer	\$100.00	50	\$5,000.00		\$5,000.00	

Attachment 4 – Budget**Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal****(g) Other Costs****Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project**

Task	Cost
Task 11: Bridge Financing Costs	\$ 25,000
Total	\$ 25,000

Costs based on: ~4.25% of total project cost

Back-up Calculations

Task	# of Hours	\$/hr	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 11: Bridge Financing Costs				\$ 25,000	\$ 25,000

(h) Construction Implementation Contingency**Project Name: GCSD/Big Oak Flat (Lift Station #16) Water Quality Protection Project**

Task	Cost
Task 12: Construction Contingency	\$ 53,500
Total	\$ 53,500

Costs based on: Approximately 12.6 % of Construction total (rounded)

Back-up Calculations

Task	Construction Cost	%	Labor Cost	Supplies/ Equipment	Total Labor + Equipment/ Supplies
Task 12: Construction Contingency	\$ 425,000	12.60%		\$ 53,550.00	\$ 53,550.00

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal

V. SUPPLEMENTAL INFORMATION

Regional Grant Administration

Costs for Regional Grant Administration have been allocated to each project within the proposal based on each project proponents requested grant allocation in accordance with guidance provided by DWR staff. As a supplement to the data provided above, the following tables provide a breakdown of Regional Grant Administration labor costs and expenses by project. These costs have been incorporated into each of the project's budget tables shown above in the ratio shown below.

BREAKDOWN OF REGIONAL GRANT ADMINISTRATION COSTS				Murphys Sanitary District	USDA Forest Service	Tuolumne County Resource Conservation District	Amador Tuolumne Community Action Agency	Tuolumne Utilities District
			Project Cost	\$ 285,000	\$ 350,000	\$ 250,000	\$ 200,000	\$ 1,700,000
			Project Percentage	7.84%	9.63%	6.88%	5.50%	46.77%
	Rate	Hours	Labor Cost					
Labor - Project Director	\$ 70.00	80	\$ 5,600.00	\$ 439.06	\$ 539.20	\$ 385.14	\$ 308.12	\$ 2,618.98
Labor - Project Manager	\$ 65.00	2200	\$ 143,000.00	\$ 11,211.83	\$ 13,768.91	\$ 9,834.94	\$ 7,867.95	\$ 66,877.58
Labor - Administrative Assistant	\$ 45.00	500	\$ 22,500.00	\$ 1,764.10	\$ 2,166.44	\$ 1,547.46	\$ 1,237.96	\$ 10,522.70
Labor - Contract Accountant	\$ 100.00	280	\$ 28,000.00	\$ 2,195.32	\$ 2,696.01	\$ 1,925.72	\$ 1,540.58	\$ 13,094.91
			Subtotal Labor	\$ 15,610.32	\$ 19,170.56	\$ 13,693.26	\$ 10,954.61	\$ 93,114.17
			Subtotal Expenses	\$ 1,489.68	\$ 1,829.44	\$ 1,306.74	\$ 1,045.39	\$ 8,885.83
				\$ 17,100.00	\$ 21,000.00	\$ 15,000.00	\$ 12,000.00	\$ 102,000.00
BREAKDOWN OF REGIONAL GRANT ADMINISTRATION COSTS				Tuolumne River Trust	Calaveras County Water District	Groveland Community Services District	TOTAL	
			Project Cost	\$ 50,000	\$ 200,000	\$ 600,000	\$ 3,635,000	
			Project Percentage	1.38%	5.50%	16.51%	100.00%	
	Rate	Hours	Labor Cost					
Labor - Project Director	\$ 70.00	80	\$ 5,600.00	\$ 77.03	\$ 308.12	\$ 924.35	\$ 5,600.00	
Labor - Project Manager	\$ 65.00	2200	\$ 143,000.00	\$ 1,966.99	\$ 7,867.95	\$ 23,603.85	\$ 143,000.00	
Labor - Administrative Assistant	\$ 45.00	500	\$ 22,500.00	\$ 309.49	\$ 1,237.96	\$ 3,713.89	\$ 22,500.00	
Labor - Contract Accountant	\$ 100.00	280	\$ 28,000.00	\$ 385.14	\$ 1,540.58	\$ 4,621.73	\$ 28,000.00	
			Subtotal Labor	\$ 2,738.65	\$ 10,954.61	\$ 32,863.82	\$ 199,100.00	
			Subtotal Expenses	\$ 261.35	\$ 1,045.39	\$ 3,136.18	\$ 19,000.00	
REGIONAL GRANT ADMINISTRATION EXPENSES								
Equipment	\$ 5,500			\$ 3,000.00	\$ 12,000.00	\$ 36,000.00	\$ 218,100.00	
Supplies	\$ 7,500							
IT Support	\$ 4,000							
County Charges	\$ 2,000							
Subtotal Expenses	\$ 19,000							

Attachment 4 – Budget

Tuolumne- Stanislaus IRWM Region - Proposition 84 - Round 2 Implementation Grant Proposal